INDEX OF AUTHORS

Asterisk (*) following page number indicates an abstract.

Abramowitz, S., 249
Allen, H. C., 115*, 135*, 147*
Amato, C. G., 151*, 152*
Andrews, J. R., 115*
Anger, H. O., 99
Argus, M., 239*
Ariel, I. M., 115*
Avioli, L. V., 115*

Ball, W. C., Jr., 116*
Baratz, R. A., 218
Bates, D. V., 116*
Bauer, F. K., 149*
Baylin, G. J., 129*, 241*, 245*
Beck, R. N., 314
Beierwaltes, W. H., 128*, 272
Bell, P. R., 127*, 241*
Bell, R. L., 116*
Bender, M. A., 117*
Bennett, L. R., 143*
Berkowitz, D., 116*
Bernsohn, J., 117*
Bertcher, R. W., 136*, 200
Bertrand, M. C., 144*
Blahd, W. H., 282
Blau, M., 102, 117*
Blumgart, H. L., 117*
Bond, V. P., 151*, 223
Borkowski, C. J., 122*, 242*
Born, J. L., 133*
Bowie, E. J. W., 117*
Bowser, E., 231
Brace, K. C., 115*
Brar, S., 289
Briner, W. H., 94
Brucer, M., 244*
Burbank, M. K., 118*
Burkle, J. S., 118*
Butler, W. R., Jr., 128*

Calloway, E., 243*
Carr, E. A., Jr., 128*, 272
Carroll, G. J., 152
Cassen, B., 119*
Cavalieri, R. R., 119*
Chamberlin, W. B., 151*
Christie, J. H., 133*, 151*
Clayton, G., 125*
Coberly, J. C., 240*
Collica, C. J., 152*
Corey, K. R., 119*
Cowan, G. A. B., 120*
Cozzetto, F. J., 143*
Crespo, G. G., 133*
Cress, E. A., 242*
Croll, M. W., 116*
Cronkite, E. P., 136*, 223
Custod, J. T., 117*
Czerniak, P., 120*, 121*

DeMaria, W., 245*
Dettman, P. M., 138*
DeVries, A., 121*
Dewey, W. C., 120*
Dilworth, R. H., 122*, 242*
Djaldetti, M., 121*
Dobyns, B. M., 123*
Dodson, V. N., 140*, 245*
Dominguez, R., 123*
Dore, E. K., 8, 124*, 130*, 147*, 148*, 204
Dowling, J. H., 138*
Dratz, A. F., 240*
Drew, W. D., 240*
Dudley, H. C., 126*

Eadie, G. S., 129*, 246*
Elliott, A., 126*
Endlich, H., 127*

Farr, L., 124*, 253
Farr, R. S., 124*
Fedoruk, S. O., 120*
Fels, I. G., 150*, 289
Fields, T., 125*, 289
Fleming, W. H., 125*
Fox, B. W., 187
Francis, J. E., Jr., 127*, 241*

Gabrieli, E. R., 126*
Galambos, J. T., 240*
Gilson, A. J., 239*
Giuliani, E. R., 297
Goldsmith, R., 241*
Gott, F. S., 126*
Grady, E. D., 242*
Greenberg, E., 119*
Greenberg, J., 126*
Greenlaw, R. H., 85
Griswold, M. L., 148*
Gump, H. P., 115*
Gustafson, P., 289

Hagedorn, A. B., 297
Hamner, D., 141*, 244*
Hanlon, D. G., 1
Hanson, H. H., 135*
Harper, P. V., 127*, 137*
Harris, C. C., 127*, 241*
Harvey, R. A., 218
Hayashi, J., 8, 204
Hayes, R. L., 128*
Haynie, T. P., 128*, 272
Heagy, F. C., 128*
Heckert, P., 126*
Heller, P., 231
Henderson, W., 231
Hertsch, G. J., 116*
Hevesey, G. C. de, 169
Hidalgo, J. U., 240*
Hoimes, J., 136*
Hunt, J. C., 118*

Imarisio, J. J., 131*

Jackson, J., 129*, 241*
Jacobson, A., 289
James, J. M., 129*, 246*
Jenkins, M. A., 123*
Joftes, D. L., 129*
Johnson, A., 126*
Johnson, D. E., 8, 124*, 130*, 147*, 204
Johnson, P. C., 130*
Jones, I., 136*

Kaplan, E., 125*, 131*, 184, 289
Kashima, H. K., 115*
Keller, S., 223
Kenny, P., 119*
Kenski, J., 125*
Kiely, J. M., 1, 117*
King, E. R., 119*, 125*
Koch-Weser, D., 132*, 133*, 137*
Krueger, R., 129*, 241*, 245*
Kyker, G. C., 132*, 243*

Lasser, E. C., 124*
Lathrop, K. A., 127*
Laughlin, J. S., 119*
Lawrence, J. H., 133*, 150*
Leiner, G. C., 249
Lesage, A. M., 129*, 246*
Liegner, L. M., 133*
Littman, A., 187
Littman, M. S., 187
Liu, C. K., 130*
Lubin, E., 121*

MacDonald, J. C. F., 128*
MacIntyre, W. J., 126*, 133*, 137*, 151*
Maher, F. T., 118*
Malejka, D., 239*
Malsky, S. J., 151*
Mans, R. J., 239*
Manske, R. F., 102
McAdams, G. B., 134*
McAfee, J., 134*
McCraw, E. F., 245*
McFarland, W., 118*, 134*
McLaren, J. R., 240*
McMullen, F. F., Jr., 135*
Meade, R. C., 135*
Mellinkoff, S. M., 143*
Meredith, O. M., 136*
Meyer, L. M., 136*, 200
Miller, C. E., 142*
Miller, I. F., 136*, 200
Miller, W. N., 249
Moos, W. S., 218
Moseley, R. D., 137*
Moses, J. M., 137*
Mulzac, C. W., 136*, 200
Myers, W. G., 137*, 138*, 150*

Nelp, W. B., 138*
Newsham, L. G. S., 116*
Nofal, M. M., 128*, 272
Nordyke, R. A., 282

Oester, Y. T., 289
Oldendorf, W. H., 139*
Owen, C. A., 1, 297
Ozarda, A., 139*

Paine, K. W. E., 120*
Pastorelle, D. J., 152*
Pearson, H. A., 134*, 139*
Pickren, J., 139*
Pircher, F. J., 140*, 245*
Pittman, J. A., Jr., 141*, 244*, 245*
Posnick, E., 282
Post, J., 136*
Pritchard, W. H., 126*

INDEX OF AUTHORS *Continued*

Rabinowitz, J. L., 141*
Rafter, J., 132*, 243*
Ray, B. S., 119*
Ray, F. E., 239*
Razzak, M. A., 141*
Redd, B. L., 243*
Remenchik, A. P., 142*
Rodnan, G. P., 124*
Rohrer, R. H., 240*
Rollins, L., 242*
Rose, R. G., 142*
Rosoff, B., 143*
Ross, D. A., 243*
Roswit, B., 151*
Rubenfeld, S., 152*
Rubini, J. R., 223

Sale, W., 242*
Samachson, J., 143*, 144*
Sanders, A. P., 129*, 241*, 245*
Schiffman, N. L., 149*
Schreiber, M., 126*
Schwabe, A. D., 143*
Schwartz, S. I., 85
Scudamore, H. H., 297
Shapiro, B., 116*
Siemens, W., 127*
Simpson, W. J., 144*
Sinclair, W. K., 122*
Small, M. J., 249
Snyder, F., 132*, 242*, 243*
Spencer, H., 143*, 144*
Spring, M., 144*, 145*
Sternberg, J., 145*, 146*
Stewart, B. H., 272
Stewart, P. B., 116*
Stickney, J. M., 117*
Stratford, J. G., 120*
Straude, R. L., 146*
Strauss, H. D., 249
Stroebel, C. F., 1
Sutton, W. C., 135*, 147*
Szakacs, J. E., 125*

Taplin, G. V., 8, 124*, 130*, 147*, 148*, 204
Tauxe, W. N., 117*, 118*, 148*
Telfer, N., 149*
Teplitz, R., 187
Tisljar-Lntulis, G. M., 99
Tobias, C. A., 133*
Tubis, M., 149*, 282

Vaart, A., 128*
VanDyke, D., 150*
Veatch, R., 150*

Wagner, H. N., Jr., 138*, 141*
Wegst, A. V., 140*, 245*
Wenger, J., 240*
Wiester, M. J., 241*
Williams, B. H., 141*, 244*
Williams, G., 231
Winter, C. C., 150*
Woodhall, B., 129*, 241*

Yagan, R., 151*
Yamamoto, L. Y., 253
Young, W. G., 129*, 246*
Young, W. R., 126*

INDEX OF SUBJECTS

Asterisk (*) following page number indicates an abstract.

A

Abstracts
  of Eighth Annual Meeting, 115
  of Papers Presented at the Second Annual Meeting of the Southeastern Chapter of the Society of Nuclear Medicine, Atlanta, Ga., March 10-11, 1961, 239
Activation
  Analysis, Neutron of Protein Bound Metals in Blood Serum, 289
  I^{127}, 138*
  Neutron, 138*, 152*
  Xe^{124}, 127*
  Y^{89}, 137*
Anemia, 117*, 150*
  of Nontropical Sprue Studied with Radioiron and Radiochromium, 297
Arteriography, Cerebral Radioisotopic and Radiographic, 241*
Assay
  Erythropoietin, 150*
  Insulin, 135*
  Thyrotropin, 141*

B

Binding
  Hemoglobin Sites for Cr^{51}, 139*
  Serum Sites for I^{131}-Contrast Media, 124*
Blood
  Flow—See Brain, Heart, Liver, Kidney, Lung
  Losses, Quantitation, 148*
  Serum, Neutron Activation Analysis of Protein Bound
  Metals in, 289
  Volumes, 117*, 148*, 149*
Bone Scanning
  Ca^{47}, 119*
  Fe^{59}, 144*
  Sr^{85}, 119*
Brain
  Blood Flow, 116*, 129*, 139*
  Circulation Time, 116*, 129*
  Neutron Capture Therapy of Cerebellar Hemangiosarcoma, 253
  Theoretical Evaluation of Scanning Systems, 314
  Tumor Scanning, 120*

C

Calcium, Tracer by Sr^{85}, 143*
Calcium-45
  in Paget's Disease of Bone, 241*
  Turnover, 143*
Carbon-14
  Cholesterol, 146*
  Expired Co_2, 143*
  Glucose, 141*
  Measurement of Labeled Protein, 239*
  Octanoic Acid, 143*
Cardiovascular System
  Rat, Effects of Localized Doses of High Intensity X-Irradiation on, 218
Cerium
  Effect on Thyroid and Liver, 243*
  Toxicity, 132*
Chelation, 137*, 143*, 144*
Chromium-51
  Anemia of Nontropical Sprue, 297
  Endotoxin, 132*, 137*
  Hemoglobin Binding, 139*
  Red Blood Cells, 117*, 139*, 148*
Cobalt-57, Chloride, 137*
Cobalt-58, Chloride, 137*
Cobalt-60
  Leaks in Teletherapy Units, 244*
  Vitamin B_{12}
    Binding, 136*
    Effect of Boiling and of Cyanide Ion on Serum Binding of, 200
Collimation, 122*, 129*, 139*
Computer, Correlation of Biological Data, 240*
Counting, Effect of Apertures, 240*

D

Dosimetry, Gamma Neutron Beams, 151*

E

Endotoxin, 132*, 137*
Erythrokinetics, 117*, 144*, 150*
Erythropoietin, 150*
Extracorporeal, Blood Flow, Isolation, 129*

F

Fat
  Absorption, 116*, 143*
  Body, 142*
  Intravenous, to Determine Liver Function, 240*
  Quantitative Studies, 240*
Fission Product, Removal, 143*, 144*

G

Gold-198, 115*, 133*, 142*
  Liver Blood Flow and Cellular Function in Hepatobiliary Disease. Tracer Studies with Rose Bengal and, 204
  Silver Coated, 141*

H

Heart
  Blood Flow
    Coronary, 130*
    Shunt, 135*
  Intractable Disease, I^{131} Therapy, 117*
Hemoglobin
  Abnormal, Cr^{51}, 139*
  Labeled
    Fe^{59}, 117*, 126*
    I^{131}, 126*
Hypophysectomy, 133*, 137*

I

Immunology, Radioisotope Applications, 132*, 145*
Instrumentation
  Monitor
    Dialysis, 131*
    Personal, 122*, 125*
  Multicrystal Well, 119*
  Reactor, Medical, 151*
  Scanning
    Display, 125*, 128*
    Record Analysis, 127*
Intrinsic Factor, An In Vitro Procedure for Screening, 231
Iodine-125, 127*, 138*
Iodine-127
  Activation Analysis, 138*
  Potassium, 145*
Iodine-131
  Acetrizoate, Sodium (Urokon), 123*, 124*
  Albumin
    Heat Denatured Colloidal, 147*, 148*
    Human Serum, 120*, 129*, 130*
  Diatrazoate, Sodium (Hypaque), 124*
  Diiodosulfanilate, 150*
  Diodrast, 123*
  Evaluation of Portal Circulation by Percutaneous Splenic Isotope Injection, 85
  Formulation of, Labeled Polyvinylpyrrolidone, 94
  Hippuran in Renal Scintiscans, 272
  Hippuric Acid, Ortho, Iodo, 118*, 124*, 126*, 128*, 129*, 139*
  Insulin, 135*
  Iodide, 138*, 144*, 147*, 152*
  Iodipanic Acid (Cholegrafin), 124*
  Iodopyracetate, 136*
  Labeled Sulfobromophthalein in Liver Function, 282
  Liver Blood Flow and Cellular Function in Hepatobiliary Disease. Tracer Studies with Radiogold and Rose Bengal, 204
  Methyliodide, 135*
  Oleic Acid, 116*
  Protein Labeling, 239*
  Rose Bengal, 133*, 152*
  Triiodothyronine, 134*, 141*
  Triolein, 116*
Iodine-132, 119*, 138*
Iridium-192, 133*
  for Teletherapy of Intraoral Lesions, 243*
Iron-59, 117*, 118*, 149*, 150*
  Absorption, 118*
  Anemia of Nontropical Sprue, 297
  Plasma Turnover, 117*, 148*, 149*
    in Polycythemia, 1
Irradiation, Beta, Intragastric with $Ru\text{-}Rh^{106}$, 187

K

Kidney
  Blood Flow, 118*, 126*, 140*
  Function, 123*, 124*, 150*
    Curve Analysis, 123*, 136*, 140*
  Renal Scintiscans in the Diagnosis of Renal Vascular Disease, 272
  Renocystogram, Radioisotope, 8

L

Liquid Scintillation Techniques, 150
Liver
  Blood Flow, 133*, 137*, 141*, 147*
    and Cellular Function in Hepatobiliary Disease. Tracer Studies with Radiogold and Rose Bengal, 204
  Evaluation of Portal Circulation by Percutaneous Splenic Isotope Injection
  Function, 124*, 133*, 141*, 152*
    Effect of Cerium, 132*
  I^{131} Labeled Sulfobromophtahlein for Function, 282
  Scanning, 121*, 139*, 151*
  Weight, 151*
Lung
  Flood Flow, Regional, 116*
  Function, Radiopulmonography, 249

M

Mercury-203
  Chlormerodrin (Neohydrin), 116*, 120*, 128*
  Neohydrin in Renal Scintiscans, 272
Microbiology, Radioisotope Applications, 145*
Model, Physiologic, 123*, 131*, 140*

N

Nephritis, Radiation, 243*
Neutron
  Activation Analysis of Protein Bound Metals in Blood Serum, 289
  Capture Therapy of Cerebellar Hemangiosarcoma, 253
  Irradiation, Effect on Blood Sodium, 243*
New Tests, 117*, 120*, 143*, 146*
Nomenclature, Standard for Radioisotope Procedures, 184
Nuclear Medicine
  Education, 124*, 134*, 149*
  Future, 134*
  Nomenclature, 131*
  Pioneers, 169
  Practice, 115*
  Training, 124*, 134*, 149*
  Turnover, 117*

P

Pancreas
  Scanning, 117*
  Specificity of Se^{75}-Selenomethionine, 102

Phosphorus-32
Chromic Phosphate Colloid, 115*
Soluble, 117*, 120*
Spermatogenic Activity Test, 120*
Pioneers in Nuclear Medicine, 169
Polycythemias, 144*, 149*
Clinical Value of Plasma-Iron Turnover Rate in Diagnosis and Management of, 1
Polyvinylpyrrolidone, Formulation of I^{131} Labeled, 94
Portal Circulation, Evaluation by Percutaneous Splenic Isotope Injection, 85
Potassium-40, 142*
Potassium-42, 142*
Protein Labeling, I^{131}, 239*

R

Radiation
Effects of Localized Doses of High Intensity on Cardiovascular System of the Rat, 218
Personal Monitor, Medical Applications, 242*
Radiation Dose
Permissible, G.I., 128*
Therapeutic
Fibrinolytic Defects, 125*
Hematologic Effect, 115*, 134*
Thyroid Epithelium Effect, 123*
Radioautography
Techniques, 129*
Thyroid, Tritium, 123*
Radiobiology, 146*
Radiocolloids—See Gold-198, Phosphorus-32, Yttrium-90 Iodine-131
Radioisotope
Renocystogram, 8
Standard Nomenclature, 184
Radiological Safety, 125*
Radiopulmonography, A Simple Method for Simultaneous Estimation of Individual Lung Function, 249
Reactor Technology, Medical, 151*, 152*
Red Blood Cells, Uptake
Cholesterol, 146*
Triiodothyronine, 134*, 141*
Renocystogram, Radioisotope, 8
Renogram
Analysis of Excretion Curve, 245*
Improvement by Tubular Loading, 245*
Reticuloendothelial Function, 126*, 133*, 137*, 147*
Also See Liver
Rhodium-106, Intragastric Beta Irradiation with, 187
Rose Bengal, Liver Blood Flow and Cellular Function in Hepatobiliary Disease. Tracer Studies with Radiogold and, 204
Ruthenium-106, Intragastric Beta Irradiation with, 187

S

Scandium, 143*
Scanner
Optical and Gamma-Ray Images, 99
Renal Scintiscans in Diagnosis of Renal Vascular Disease, 272
Theoretical Evaluation of Brain Scanning Systems, 314
Scanning
Aural Method of Analysis, 241*
Techniques
Collimation, 122*
Multiple Cut-Off, 151*
Record Analysis, 127*
Three Dimensional, 121*
Also See Bone, Brain, Liver, Kidney, Pancreas
Selenium-75, Selenomethionine, 117*
Pancreas Specificity, 102
Selenomethionine, Selenium-75, Pancreas Specificity, 102
Spleen, Evaluation of Portal Circulation by Percutaneous Isotope Injection, 85
Sprue, Nontropical, Anemia of Studied, with Radioiron and Radiochromium, 297
Stomach, Beta Irradiation with $Ru\text{-}Rh^{106}$, 187
Strontium-85
Removal, 144*
Turnover, 143*, 144*
Sulfobromophthalein, I^{131} Labeled in Liver Function, 282
Sulfur-35
Cortisone Effect on Organic Compound of, 239*
Sulfate, 115*

T

Therapy
Chondrosarcoma, S^{35}, 115*
Hypothyroidism, 145*
Interstitial, Ir^{192}, 133*
Intracavitary
Au^{198}, 115*, 172*
Y^{90}, 126*
Intractable Heart Disease, 117*
Neutron Capture Therapy, 253
Pituitary
Alpha Particle, 133*
Y^{90}, 137*
Thyrotoxicosis, I^{131}, 147*
Thymidine, In Vitro Labeling of Proliferating Tissues and Tumors with, 223
Thyroid
Effect of Medications on I^{132} Uptake, 245*
Mechanism of Action of Thyrotropin, 244*
Thyroid Function, After
Alteration with Cancer, 152*
Cerium, 132*
I^{131} Therapy, 119*
Pregnancy, 134*
Red Blood Cell Test, 134*, 141*
Suppression, 144*
Thyrotropin Effect, in Vitro, 141*
Total Body Radiation
Effect on Lipids of Spinal Fluid and Blood, 242*
Syndrome, 134*
Triiodothyronine, 134*, 141*, 144*
Triiodothyropropionic Acid, 145*
Tritium
Esp. Thymidine, 123*, 150*
In Vitro Labeling of Proliferating Tissues and Tumors with, 223
Measurement of Labeled Protein, 239*
Tumor Localization
Bone, 119*
Brain, 120*
Liver, 121*, 139*

V

Vascular Bed, Technique of Study, 246*
Vitamin B-12
An in Vitro Procedure for Screening Intrinsic Factor Concentrates, 231
Effect of Boiling and of Cyanide Ion on Serum Binding of Co^{60}, 200

W

Whole Body Gamma Counting, 118*, 142*

X

Xenon-133, 116*

Y

Yttrium-90, 137*, 143*
Colloid, 126*
In Cancer Treatment, 242*

Z

Zinc-65, 143*